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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVIII, No. 1 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — January, 1970

Production of crude oil and condensate from the oil and gas areas of Montana for the month of January, 1970, averaged 108,201 barrels daily, a decrease of 4,956 barrels from the average December, 1969 production of 113,157.

The nine refineries in the state processed 109,735 barrels of crude oil daily for the month of January, 1970, a decrease of 6,006 barrels from the 115,741 barrels processed daily during the month of December, 1969.

During January 84 wells were completed, 5 oil, 12 gas and 67 dry holes.

During January the commission issued 44 permits to drill new wells, a decrease of 58 from the 102 permits issued during December.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF JANUARY, 1970

IN STORAGE JANUARY 1st	
By Producers	351,210
By Transporters	1,237,355
By Refiners	731,177
TOTAL STORAGE	2,319,742
Produced in Montana During Month	3,354,243
Imported During Month	2,662,812
TOTALS	8,336,797
DISPOSITION:	
Refined in Montana	3,401,783
Exported	2,551,001
Used for Fuel or Lost	11,094
TOTAL	5,963,878
IN STORAGE JANUARY 31st	
By Producers	357,062
By Transporters	1,278,055
By Refiners	737,802
TOTAL STORAGE	2,372,919

NATURAL GAS WITHDRAWALS IN MONTANA

Month of January, 1970

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	678,706
Big Coulee	154,497
Blackjack	79,680
Bowdoin	546,718
Bowes	31,364
Box Elder	64,167
Cabin Creek	107,033
Cedar Creek	1,344,783
Clarks Fork South	0
Cut Bank (Including Reagan)	680,113
Devon	0
Dry Creek	55,219
Elk Basin	80,432
Flat Coulee	19,465
Gold Butte	1,069
Golden Dome	0
Grandview	71,842
Hardin	1,090
Keith Block	209,924
Kevin Sunburst	75,340
Lake Basin	103,837
Middle Butte	2,645
Mt. Lilly	49,658
Pine	57,360
Plevna	3,800
Squaw Coulee	77,749
Tiger Ridge	53,493
Utopia	86,162
Whitlash	98,795
Miscellaneous	219,354
TOTAL	4,954,295

Total withdrawals for January, 1969 were 5,201,454.

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PRODUCERS REPORT—MONTH OF JANUARY, 1970

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	531	2,581		2,487		625
	Bannatyne		944					944
	Bascom		246					246
5	Bear's Den	6	1,243	1,346		423		2,166
80	Bell Creek	380	62,751	875,244	876,955		771	60,269
1	Benrud	1	562	672	871			363
2	Benrud East	2	1,202	15,013	14,714			1,501
1	Benrud Northeast	1	701	3,826	4,047			480
1	Berthelote	1	490	16				506
5	Big Wall	15	687	12,324	11,517			1,494
4	Blackfoot	7	1,473	1,427	1,123			1,777
5	Border	5	443	1,111		982		572
1	Bowes	1	2,420	12,014	9,443			4,991
1	Bradley	1	564	678	850			392
1	Brady	1	296	103	103			296
4	Brorson-Madison	4	610	5,650	5,404			856
6	Brorson-Red River	6	6,165	40,418		40,410		6,173
3	Brorson-Red River South	3	2,964	13,314		13,261		3,017
2	Cabin Creek	98		308,507	308,507			
10	Cat Creek	57	2,356	16,392	14,400	1,786		2,542
	Clark's Fork		13					13
1	Clark's Fork South	1	617	1,370		1,726		261
3	Conrad South	3	662	1,211	1,211			662
1	Cow Creek	1	306	569	801			74
2	Cupton	2	2,099	3,139		3,558		1,680
122	Cut Bank	823	56,795	432,229	430,137		117	58,770
2	Deer Creek	2	646	1,997	1,333			1,310
1	Delphia	1	388	386		628		146
	Devil's Basin		688					688
1	Dwyer	14	4,621	18,898	19,393			4,126
4	Elk Basin	60	1,526	182,993	182,970			1,549
5	Elk Basin Northwest	14	8,468	16,485	16,908			8,045
9	Fairview	10	7,952	51,293	51,464			7,781
2	Fertile Prairie	2	688	1,336		1,549		475
8	Flat Coulee	26	5,289	10,875	11,441			4,723
40	Flat Lake	61	7,700	65,792	65,800			7,692
4	Flat Lake South	4	1,225	7,104	6,942			1,387
1	Frannie	1		1,116	1,116			
20	Fred & George Creek	40	4,617	34,187	35,460			3,344
1	Gage	1	230	145				375
	Gage Southwest		30					30
3	Gas City	17	6,196	23,689	18,459	4,268		7,158
11	Glendive	14	1,681	29,559	23,923	4,886		2,431
27	Goose Lake	34	5,449	49,335	49,201			5,583
9	Graben Coulee	22	3,941	5,314	3,789	849		4,617
	Gypsy Basin		749					749
2	Hay Creek	2	436	15,740	15,391			785
7	Hiawatha	7	3,929	9,104	9,070			3,963
1	Hibbard	1	601	256		626		231
1	Injun Creek	1	756	266				1,022
6	Ivanhoe	11	1,989	7,395	6,736	466		2,182
6	Keg Coulee	23	4,088	8,259	8,678			3,669
2	Keg Coulee North	2	915	813	870			858
1	Kelley	5	457	4,660	4,518			599
74	Kevin Sunburst	450	11,438	25,821	22,529	1,655		13,075
8	Laird Creek	10	747	5,815		5,583		979
2	Leary	2	1,577	1,885		1,551		1,911
1	Little Beaver	28		25,913	25,913			
2	Little Beaver East*	13	1,902	17,359	17,166			2,095
1	Lodge Grass	1	575	532		318		789
3	Lookout Butte (Coral Creek)	33	470	72,774	72,918			326
	Mackay Dome		1,134					1,134
2	Mason Lake	2	644	937	1,340			241
3	Melstone	5	1,353	1,401	897	420		1,437
1	Mineral Bench	1	571	189	442			318
1	Miner's Coulee	1	107	752		752		107
11	Monarch	16	3,599	20,545	19,865			4,279
3	Mosser	3		475		475		
6	Outlook	10	6,104	18,224	19,642			4,686
1	Outlook South	1	720	1,676	1,731			665
2	Outlook West	2	1,372	3,047	3,738			681
1	Pennel-Lookout Butte	116		128,865	128,865			
4	Pine	117	19,590	292,237	294,279			17,548
1	Pole Creek	1	528	619		370		777
64	Pondera	274	6,113	26,446	26,702			5,857
5	Poplar	64	8,144	59,207	58,045		23	9,283
5	Poplar Northwest	5	1,164	3,359	2,906			1,617
	Prairie Elk		871					871
4	Ragged Point	12	2,439	6,683	6,512	645		1,965
2	Rattlesnake Coulee	2	516	885	597			804
2	Reagan	46	459	22,509	22,450			518
1	Red Creek	20		18,556	18,556			
1	Red Fox	1	252	4,499	4,565			186
1	Redstone	1	400	4,371	4,315			456
1	Repeat	1	440	1,083		1,433		90
4	Reserve	5		18,061	18,061			
	Richey		778					778
1	Richey Southwest	6	901	3,000		2,873		1,028
1	Rush Mountain	1	406	3,612	3,477			541
6	Sand Creek	8	3,227	6,676	7,126			2,777
1	Shotgun Creek	1	246	720		678		288
	Sidney		880					880
1	Snyder	4	973	949		955		967
6	Soap Creek	17	3,702	4,277		5,106		2,873
1	Spring Lake	2	1,735	3,085		2,964		1,856
1	Stensvad	1	2,223	10,669	11,232			1,660
11	Sumatra	70	6,950	45,547	43,052			9,445
5	Tule Creek	6	2,411	37,713		36,820		3,304
2	Tule Creek East	2	631	10,052		10,215		468
2	Tule Creek South	3	1,154	4,647		4,446		1,355
2	Vida	2	636	803		905		534
3	Volt	4	2,198	13,325	12,470			3,053
2	Weed Creek	3	524	6,000	5,935		10	579
4	Weldon	11	1,260	34,648	34,816			1,092
1	West Butte	1		3,424		3,424		
14	Whitlash	42	7,358	10,831	10,867			7,322
1	Whitlash West	1	611	291	419			483
2	Wills Creek South	2		3,903	3,903			
6	Wolf Springs	9	3,188	4,763	4,967			2,984
2	Woodrow	2	89	1,837	1,544			382
3	Wright Creek	5	1,736	9,568	9,787			1,517
1	Wildcat, Blaine Cty	1	405	145				550
	Wildcat, Carbon Cty		723					723
1	Wildcat, Fallon Cty	1	748	2,075		1,447	393	983
2	Wildcat, Glacier Cty	2	1,774	1,147	1,360			1,561
	Wildcat, Liberty Cty		307					307
	Wildcat, Powder River Cty		198					198
4	Wildcat, Richland Cty	4	2,233	21,994		21,967		2,260
4	Wildcat, Roosevelt Cty	4	2,457	15,489		16,245		1,701
2	Wildcat, Sheridan Cty	2	2,749	11,441		11,070		3,120
	Wildcat, Stillwater Cty		65					65
	Wildcat, Toole Cty							
1	Wildcat, Wibaux Cty	1	130	736		321		545
748	Total	3,258	351,210	3,354,243	3,136,534	210,543	1,314	357,062

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1969	3,662,845	120,445	3,666,695	120,581
January, 1970	3,354,243	108,201	3,347,077	107,970

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1969	351,210	1,237,355	731,177	2,319,742
January, 1970	357,062	1,278,055	737,802	2,372,919

*Montana Oil Only
‡Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF JANUARY, 1970

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,487				2,487		
BEAR'S DEN—Truck			423				423		
BELL CREEK—Pipelines		876,955					371,247	505,708	
BIG WALL—									
Continental Pipeline Co.		11,517				11,517			
BLACKFOOT—									
Camerland Cardinal Corp.		1,123						1,123	
BORDER—Permian Corp.			982					982	
BOWES—Texaco Inc.		9,443				9,443			
BRORSON-MADISON—Pipelines		5,404						5,404	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			53,671				53,671		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	329,215	794,881	19,472	1,007,320			1,772,576		378,312
Shell Pipeline Co.	3,229	261,792			507			261,820	2,694
	332,444	1,056,673	19,472	1,007,320	507		1,772,576	261,820	381,006
CAT CREEK—									
Continental Pipeline Co.		14,400				14,400			
Truck			1,786			1,786			
		14,400	1,786			16,186			
CLARK'S FORK SOUTH—Truck			1,726				1,726		
COW CREEK—									
Western Crude Oil, Inc.		801					801		
CUT BANK—									
Continental Pipeline Co.			12,263	223,969				236,232	
Phillips Petroleum Co.	59,730	76,760		52,630	2,385	114,499			72,236
Texas Pipeline Co.	22,530	77,343		26,842				111,853	14,862
Union Oil Co.	86,486	84,967		49,903	1,825	144,029			75,502
Western Oil Trans. Co.		39,916						39,916	
Western Oil Trans. (Moulton)		95,575						95,575	
	168,746	374,561	12,263	353,344	4,210	258,528		483,576	162,600
DELPHIA—Truck			628			628			
DWYER—Portal Pipeline Co.		19,363					19,363		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		199,158				199,158			
FAIRVIEW—Fairview Pipeline Co.		51,464					51,464		
FLAT COULEE—									
Camerland Cardinal Corp.		10,359				611		9,748	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		68,299					68,299		
FRANNIE—Interstate Pipeline Co.		1,116					1,116		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	8,312	37,161				33,710		6,252	5,511
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	11,372	29,500			363			31,199	9,310
GOOSE LAKE—									
Portal Pipeline Co.		43,886					43,886		
HAY CREEK—									
Fairview Pipeline Co.		15,390					15,390		
HIAWATHA—									
Continental Pipeline Co.		8,816					8,816		
HIBBARD—Truck			626			626			
IVANHOE—									
Continental Pipeline Co.		7,202	466			7,202	466		
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		9,048				9,048			
KELLEY—									
Continental Pipeline Co.		4,518				4,518			
KEVIN SUNBURST—									
Big West Oil Co.	5,715	14,500				14,500			5,715
Homestake Oil & Gas Co.	5,334	1,400				4,043			2,691
Texas Pipeline Co.	6,984	9,531			61	5,983		3,083	7,388
	18,033	25,431			61	24,526		3,083	15,794
LEARY—Permian Corp.			1,551				1,551		
LODGE GRASS—Truck			318			318			
MASON LAKE—									
Continental Pipeline Co.		1,340				1,340			
MELSTONE—Truck			420					420	
Continental Pipeline Co.		897				897			
		897	420			897		420	
MOSSER—Truck			475				475		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		25,153					25,153		
POLE CREEK—Truck			370				370		
PONDERA—Phillips Petr. Co.	36,831	28,271			625	24,917			39,560
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	16,392	109,987			636			109,159‡	16,584
RAGGED POINT—									
Continental Pipeline Co.		6,356	645			6,356	645		
RED CREEK—									
Western Oil Transportation Co.		20,337						20,337	
RESERVE—Portal Pipeline Co.		19,517					19,517		
RUSH MOUNTAIN—									
Sinclair Refining Co.		3,477					3,477		
SHOTGUN CREEK—Truck			678				678		
SNYDER—Truck			955			955			
SOAP CREEK—Truck			5,106				5,106		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			2,964				2,964		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	641,149	52,853		1,704,996	1,269	38,643		1,715,501	643,595
TULE CREEK—									
Tesero Petr. Corp.	4,076		51,481			51,462			4,095
WEED CREEK—									
Continental Pipeline Co.		5,935				5,935			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		14,064				12,390		1,674	
WOLF SPRINGS—									
Continental Pipeline Co.		4,967				4,967			
WILDCAT WELLS—Truck			51,050				51,050		
TOTALS	1,237,355	3,174,752	210,543	3,065,660	7,671	723,881	2,522,717	3,155,986	1,278,055

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF JANUARY, 1970

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		11,517								11,517
Cat Creek		2,475		22,171		3,346				27,992
Cut Bank	24,000						110,677		123,851	258,528
Delphia						900				900
Elk Basin		75,309		50,966	72,883					199,158
Flat Coulee									611	611
Fred & George Creek	33,710									33,710
Gage & Gage Southwest						68				68
Hibbard						812				812
Ivanhoe		7,202								7,202
Keg Coulee		2,079		6,969						9,048
Kelley					4,518					4,518
Kevin Sunburst	24,526									24,526
Lodge Grass		318								318
Mason Lake		1,340								1,340
Melstone				897						897
Pondera							24,917			24,917
Ragged Point				6,356						6,356
Sand Creek						54				54
Snyder		955								955
Sumatra & Stensvad		15,700		12,080	10,863					38,643
Tule Creek								63,609		63,609
Weed Creek					5,935					5,935
Whitlash							12,390			12,390
Wolf Springs					4,967					4,967
Total Montana Oil	82,236	116,895		99,439	99,166	5,180	147,984	63,609	124,462	738,971
Canadian Oil Imported		242,090			157,552					399,642
Wyoming Oil Imported		767,503		591,863	903,804					2,263,170
Total Montana, Canadian, and Wyoming Oil	82,236	1,126,488		691,302	1,160,522	5,180	147,984	63,609	124,462	3,401,783

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1969	25,966	13,237	71,981	111,184
January, 1969	24,474	3,597	52,013	80,084
January, 1970	23,838	12,892	73,005	109,735

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
23.35%	11.91%	64.74%
30.56%	4.49%	64.95%
21.72%	11.75%	66.53%